AGENDA: MISR Data Users Science Symposium—Thursday, December 6

Welcome

8:00 AM	Sign-in	All	30
8:30 AM	Welcome	Diner	15

Aerosols I (Jim Randerson, UC Irvine, moderator)—Huntington Room

8:45 AM	Aerosol plume dynamics	Kahn	20
9:05 AM	Wildfire smoke injection heights: Analysis of the 2002 North American plumes	Val Martin	20
9:25 AM	Use of MISR data to constrain injection heights of emissions from boreal forest fires in global models	Leung	20
9:45 AM	Break	All	15
10:00 AM	Multi-sensor observations of the eruption plumes from Augustine volcano, Alaska	Realmuto	20
10:20 AM	Plume height analysis using MISR INteractive eXplorer (MINX)	Nelson	20
10:40 AM	Discussion	All	35

Clouds I (Eugene Clothiaux, Penn. State, moderator)—Huntington Room

11:15 AM	A study of polar stratospheric cloud intensification using MISR stereo	Mueller	20
11:35 AM	Detecting clouds over the Arctic using MISR and MODIS data	Clothiaux	20
11:55 AM	Combining MISR and QuikSCAT observations to characterize tropospheric winds	Garay	20
12:15 PM	Discussion	All	15
12:30 PM	Lunch	All	75

Surfaces I (Costy Loukachine, LaRC, moderator)—Huntington Room

1:45 PM	Improving fractional snow cover mapping with MISR and MODIS	Nolin	20
2:05 PM	Using MODIS and MISR to partition the solar fluxes in forest canopies in the presence of snow	Pinty	20
2:25 PM	Evaluating snow surface BRDF models with MISR	Wilson	20
2:45 PM	Discussion	All	15

Poster session I—Mission Room

3:00 PM	Poster viewing and break	All	60

Clouds II (Eugene Clothiaux, Penn. State, moderator)—Huntington Room

4:00 PM	The potential for improved cloud optical depth retrievals from the multiple directions of MISR	Evans	20
4:20 PM	Cloud optical depths inferred from MISR measurements	Davies	20
4:40 PM	Evaluation of a Multiscale Modeling Framework (MMF) climate model using MISR-based retrievals of cloud top heights and 1D cloud optical depths	Marchand	20
5:00 PM	Discussion	All	30

Future intruments I—Huntington Room

5:30 PM	Cloud Motion Vector Camera concept for Earth and Mars	Mischna	20
5:50 PM	Discussion	All	10
6:00 PM	Adjourn		

7:00 PM Dinner at Tibet Nepal House, 36 E. Holly St., Pasadena

AGENDA: MISR Data Users Science Symposium—Friday, December 7

Clouds III (Eugene Clothiaux, Penn. State, moderator)—Huntington Room

8:00 AM	Total regional and global cloud cover from MISR	Di Girolamo	20
8:20 AM	Cloud stereo—revisiting image matchers	Muller	20
8:40 AM	Promises and (many) difficulties of multi-sensor stratocumulus analysis: MISR, AIRS, and MODIS	Mansbach	20
9:00 AM	Discussion	All	20

Poster session II—Mission Room

9:20 AM	Poster viewing and break	All	60

Aerosols II (Jeff Reid, Naval Research Lab, moderator)—Huntington Room

10:20 AM	MISR aerosol air mass type characterizations for constraining aerosol transport models and long-term trends	Kahn	20
10:40 AM	Mineral dust transport characterization over the Atlantic from combined MISR/MODIS aerosol retrievals	Kalashnikova	20
11:00 AM	IMPACT aerosol transport model diagnosis using the Aerosol Measurement and Processing System	Braverman	20
11:20 AM	Quantifying global aerosol direct radiative effect with MISR observations	Chen	20
11:40 AM	Spatial and temporal characteristics of the difference between MISR and MODIS AODs over Mainland Southeast Asia	Shi	20
12:00 PM	Lunch	All	75
1:15 PM	The use of MISR in validating AATSR and SEVIRI aerosol products produced by the Oxford-RAL Aerosol and Cloud (ORAC) retrieval algorithm	Thomas	20
1:35 PM	Impacts of 3-D radiative effects on satellite-based cloud screening and aerosol optical depth (AOD) retrieval	Di Girolamo	20
1:55 PM	Examination of cumulus cloud contamination on aerosol retrieval from Terra instruments over ocean	Zhao	20
2:15 PM	Discussion	All	45
3:00 PM	Break	All	15

Future intruments II—Huntington Room

3:15 PM	Multiangle SpectroPolarimetric Imager (MSPI) concept for aerosol and cloud remote sensing	Diner	20
3:35 PM	Discussion	All	10

Surfaces II (Costy Loukachine, LaRC, moderator)—Huntington Room

3:45 PM	Assessing MISR/SGM results with Forest Inventory Analysis and LVIS data	Chopping	20
4:05 PM	A neural network-based scheme coupled with the RPV model inversion package: Application for the characterization of Southern Africa Miombo Woodland	Sedano	20
4:25 PM	Use of the time series in operational remote sensing: a new approach for cloud mask, aerosols, and atmospheric correction	Lyapustin	20
4:45 PM	Discussion	All	30
5:15 PM	Adjourn		

Posters—Mission Room

No.	Title	Lead author
1	A statistical framework for synthesizing MISR AOD data and MOZART output	Berrett
2	Temporal constraints on and vertical injections of biomass burning emissions: Implications on global aerosol simulation	Chen
3	TBD	Chopping
4	Progress in developing a Multiangle SpectroPolarimetric Imager (MSPI) for aerosol remote sensing from space	Diner
5	Aerosol particle property comparisons between MISR and AERONET retrieved values	Gaitley
6	Adaptive Sky: Observing clouds using multi-instrument, multi-platform sensor webs	Garay
7	Exploring the feasibility of monitoring desertification processes using MISR products	Hunt/ Verstraete
8	MISR and DESDYNI mission	Knyazikhiin
9	MISR, MODIS, and POLDER2 reflectance and aerosol product comparisons	Lallart
10	Terra data fusion: SSFM Data Product (status)	Loukachine
11	Improving surface BRDF/albedo over Canada landmass by fusion of multiangular MISR and crosstrack scanner observations from MODIS and AVHRR	Luo
12	New validation results for MISR stereo winds and heights	Marchand
13	A study of surface directional reflectance properties to enhance aerosol retrieval capability over land using MISR data	Martonchik
14	Capturing smoke plume and stratospheric cloud altitude using MISR stereo	Mueller
15	Validation of cloud fraction using ground-based hemispherical imagers	Muller
16	Progress in remote sensing of ice sheet surface roughness using MISR and airborne LiDAR	Nolin
17	Atmospheric correction of historical AVHRR data over Canada landmass: How aerosol retrievals from MISR can help	Radkevich
18	Retrieving canopy structure from synergy of multi-angle spectral and lidar data	Schull
19	The spatial and temporal variability of aerosol optical depths in California air districts: An analysis of six years of MISR data	Schultz
20	Comparing CCSM aerosol optical depth during biomass burning events to MISR/MODIS	Tosca
21	Testing the capability of MISR in detecting forest changes caused by charcoal production in Senegal	Wurster
22	Categorizing MISR standard product aerosol mixtures using lognormal size distributions	Yau
23	Using MISR data for outreach	Yuen